

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 77-114

NPDES NO. CA0028291

WASTE DISCHARGE REQUIREMENTS FOR:

ANHEUSER-BUSCH, INC.,
FAIRFIELD BREWERY,
SOLANO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Anheuser-Busch, Inc. (hereinafter called the discharger), by application dated April 14, 1977, applied for waste discharge requirements for its Fairfield brewery near the intersection of Highway 21 and Interstate 80, Solano County.
2. The discharger proposes to intermittently discharge up to 200,000 gallons (757 cubic meters) per day of excess irrigation water to Perry Drain, a Solano Irrigation District drainage ditch, via a storm water drain at 38°13'58" latitude and 122°5'24" longitude, MDB&M. The irrigation water is excess clear-rinse water and non-contact cooling water that cannot be reused in the brewing process and originates from the domestic water supply purveyed by the City of Fairfield.
3. Water released to Perry Drain by the discharger will most probably be used for agricultural irrigation in the surrounding area. Any excess water will be released in Peytonia Slough, an arm of Suisun Marsh.
4. A Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) was adopted by the Board on April 8, 1975. This Basin Plan contains water quality objectives for Suisun Marsh, and prohibits discharges of wastewater during the dry weather months of the year.
5. The beneficial uses of Peytonia Slough, and contiguous waters are:
 - a. Recreation
 - b. Fish migration and habitat
 - c. Habitat and resting for waterfowl and migratory birds
 - d. Industrial and agricultural water supply
 - e. Esthetic enjoyment
 - f. Navigation

6. This project involves the continued operation of a private facility involving negligible or no expansion of use beyond that previously existing. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15101, Title 14, California Administrative Code.
7. The discharger and interested agencies and persons have been notified of the Board's intent to adopt requirements for the discharge and have been provided with the opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, and to the provisions of the Federal Water Pollution Control Act Amendments of 1972, and regulations and guidelines adopted thereunder, that the discharger shall comply with the following:

A. Prohibitions

1. Discharge of any domestic waste, brewery-process waste, or other waste, excluding non-contact cooling water or clear-rinse water, to the waters of the State is prohibited.
2. Discharge of an average dry weather flow greater than 200,000 gallons (757 cubic meters) per day is prohibited. (Average flow shall be determined over three consecutive months each year.)
3. Release of water to Perry Drain causing a discharge to Peytonia Slough during the period May 2 through September 21 of each year is prohibited.

B. Effluent Limitations

1. Effluent discharged shall not exceed the following limits:

<u>Constituent</u>	<u>Units</u>	<u>30-Day Average</u>	<u>7-Day Average</u>	<u>Daily Maximum</u>	<u>Instantaneous Maximum</u>
a. Suspended Solids	mg/l	10	15	20	-
	lbs/day	17		33	-
	kg/day	7.6		15	-
b. Oil and Grease	mg/l	5	-	10	-
	lbs/day	8.3	-	17	-
	kg/day	3.8	-	7.6	-
c. Settleable Matter	ml/l/hr	0.1	-	-	0.2
d. Turbidity	turbidity units	-	-	-	10
e. COD	mg/l	10	15	20	-
	lbs/day	17		33	-
	kg/day	7.6		15	-

2. The pH shall not be less than 6.5 nor greater than 8.5 at all times.

C. Receiving Water Limitations

1. The discharge or waste shall not cause the following conditions to exist in waters of the State at any place.
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of turbidity or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended or deposited oil or other products of petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, of which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the state in any place within one foot of the water surface:
 - a. Dissolved oxygen 5.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration than specified above, then discharge shall not cause further reduction in the concentration of dissolved oxygen.
 - b. Dissolved sulfide 0.1 mg/l maximum
 - c. pH Variation from natural ambient pH by more than 0.2 pH units.

D. Provisions

1. The discharger shall comply with all requirements of this Order upon commencement of discharge.
2. The discharger shall comply with the attached Monitoring and Reporting Program as ordered by the Executive Officer.

3. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements", dated April 1977, except A.5., B.1. and B.2.
4. This Order expires September 20, 1982. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
5. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall become effective ten (10) days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on **September 20, 1977.**

FRED H. DIERKER
Executive Officer

Attachment:
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

ANHEUSER-BUSCH, INC.

FAIRFIELD BREWERY

SOLANO COUNTY

NPDES NO. CA 0028291

ORDER NO. 77-114

CONSISTS OF

PART A dated 7/74

AND

PART B effective October 11, 1977

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from which the waste stream is discharged before entering Perry Drain.

B. RECEIVING WATER

<u>Station</u>	<u>Description</u>
R-001	At a point in Perry Drain 150 feet downstream of the Anheuser-Busch outfall.

II. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSES

- A. The schedule of sampling, measurements, and analyses shall be that given as Table I.

III. MODIFICATION OF PART "A", DATED 7/74

- A. Exclusions: Paragraphs C.3., C.4., D.1., E.2., E.3., E.4. and F.2.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 77-114.
2. Was ordered by the Executive Officer on October 11, 1977 and becomes effective on **that date**.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

Date Ordered October 11, 1977

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001 (1)		R-001 (1)						
TYPE OF SAMPLES	C-24	G	G	Std. Obs.					
Flow Rate (mgd)		D (2)							
Biochemical Oxygen Demand (BOD) (mg/l & lbs/day)	M		M						
Suspended Solids (mg/l & lbs/day)		W	M						
Oil & Grease (mg/l & lbs/day)	M		M	M					
Settleable Matter (ml/l)		W	M						
Turbidity (JTU)		W	M	M					
Color (std. clr. units)				M					
Chemical Oxygen Demand (COD) (mg/l & lbs/day)	M								
pH (units)		W	M						
Temperature (°F)		W	W						
Cadmium (mg/l)	6M		A						
Total Chromium (mg/l)	6M		A						
Copper (mg/l)	6M		A						
Lead (mg/l)	6M		A						
Nickel (mg/l)	6M		A						
Silver (mg/l)	6M		A						
Zinc (mg/l)	6M		A						

LEGEND FOR TABLE

Types of Station

E = waste effluent stations
R = receiving water stations

Type of Samples

C-24 = 24-hour composite
G = grab
Std. Obs. = standard observation

Frequency of Sampling

D = daily
W = weekly
M = monthly
6M = every six (6) months
A = every twelve (12) months

FOOTNOTES

- (1) Sampling at these stations shall be conducted only when effluent is discharged to Perry Drain from the discharger's outfall.
- (2) Discharger shall also provide the Board with adequate evidence during the period May 2 to September 21 of each year that no water originating from its discharge is reaching Peytonia Slough. Means of attaining said evidence by the discharger shall be subject to Board approval.